



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)

**MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION**

11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**All Points Industries, Inc.**  
**1590 NW 27<sup>th</sup> Avenue # 9**  
**Pompano Beach, FL 33069**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: All Points Solid-Set Anchors**

**APPROVAL DOCUMENT:** Drawing No. **05-502**, titled "Solid-Set Anchors", Sheets 1 of 1, dated 10/30/2006, with revision 3 dated 10/07/2011, prepared by Knezevich Associates, signed and sealed by V. J. Knezevich, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and revision date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: None**

**LABELING:** Each box shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved or MDCPCA", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 05-1116.04** and consists of this page 1, evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Signature]*  
10/27/2011

**NOA No: 11-0816.06**  
**Expiration Date: December 21, 2016**  
**Approval Date: November 03, 2011**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **05-502**, titled "Solid-Set Anchors", Sheets 1 of 1, dated 10/30/2006, with revision 3 dated 10/07/2011, prepared by Knezevich Associates, signed and sealed by V. J. Knezevich, P.E.

**B. TESTS**

- |    | <u>Test Report No.</u> | <u>Standard</u> | <u>Date</u> | <u>Signature</u>    |
|----|------------------------|-----------------|-------------|---------------------|
| 1. | CTC 11-004             | ASTM E488-90    | 08/05/2011  | Yamil G. Kuri, P.E. |

*"Submitted under NOA # 05-1116.04"*

- |    | <u>Test Report No.</u> | <u>Standard</u> | <u>Date</u> | <u>Signature</u>     |
|----|------------------------|-----------------|-------------|----------------------|
| 2. | CTC 02-007A            | ASTM E488       | 05/06/2002  | George Dotzler, P.E. |

**C. CALCULATIONS**

1. None.

**D. MATERIAL CERTIFICATIONS**

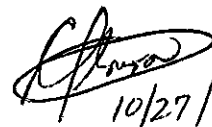
1. None.

**E. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

**F. STATEMENTS**

1. Statement letter of code conformance to FBC 2007, issued by Knezevich Associates, dated 08/03/2011, signed and sealed by V. John Knezevich, P.E.
2. Statement letter of no financial interest issued by Knezevich Associates, dated 08/03/2011, signed and sealed by V. John Knezevich, P.E.



10/27/2011

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No 11-0816.06

Expiration Date: December 21, 2016  
Approval Date: November 03, 2011

### GENERAL NOTES:

1. THESE APPROVAL DOCUMENTS REPRESENT ALL POINTS SOLID-SET ANCHOR ANALYZED WITH THE PROVISION SET FOR THE ISSUANCE OF A NOTICE OF ACCEPTANCE (NOA) BY MIAMI-DADE COUNTY PERMITTING, ENVIRONMENT & REGULATORY AFFAIRS PRODUCT CONTROL SECTION FOR HIGH VELOCITY HURRICANE ZONE (HVHZ) OF FLORIDA BUILDING CODE 2007, WITH 2009 SUPPLEMENTS AND FLORIDA BUILDING CODE 2010.
2. REFERENCE CONSTRUCTION TESTING CORPORATION TEST REPORTS: REPORT NO. 02-007A DATED 05/06/02 AND REPORT NO. 11-004, DATED 07/29/2011  
REFERENCE WINGERTER LABORATORIES, INC. TEST REPORTS: REPORT NO. 2 DATED 04/11/02  
REPORT NO. 3
3. NO ALLOWABLE STRESS INCREASE HAS BEEN USED IN PREPARATION OF THIS DOCUMENT.
4. THESE PRODUCT DOCUMENTS ARE GENERIC AND DO NOT INCLUDE INFORMATION FOR SITE-SPECIFIC APPLICATION.
5. USE OF THESE APPROVAL DOCUMENTS SHALL COMPLY WITH CHAPTER 61G15-23 OF THE FLORIDA ADMINISTRATIVE CODE.
6. ANY MODIFICATION OR ADDITION TO THESE APPROVAL DOCUMENTS ARE NOT PERMITTED.

### INSTALLATION INSTRUCTIONS:

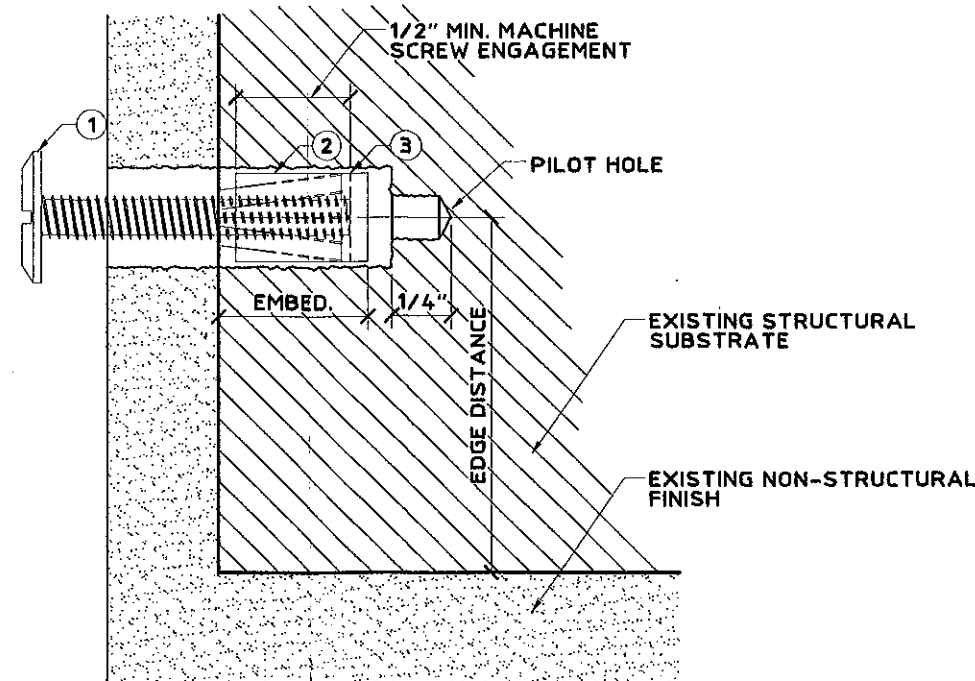
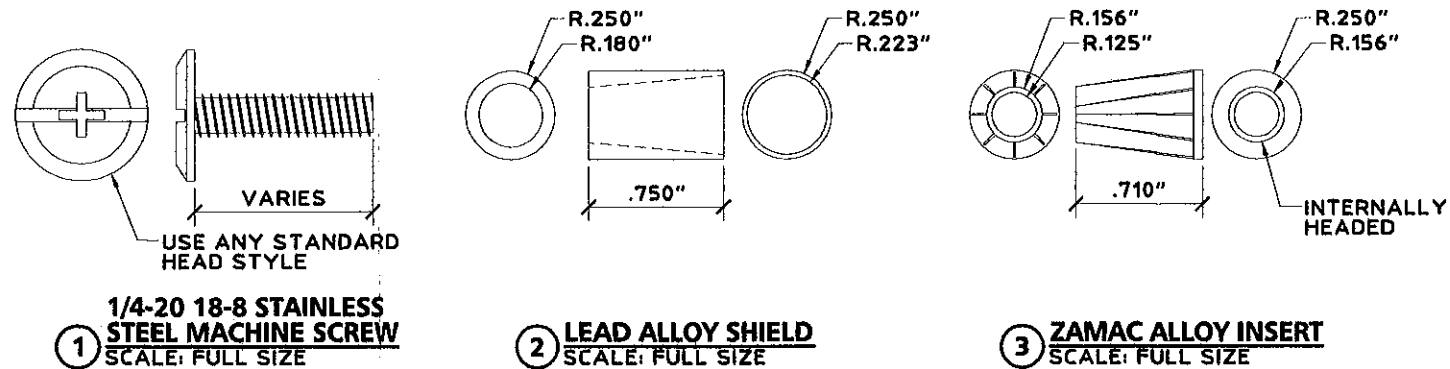
1. ANCHOR INSTALLATION SHALL BE MADE IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND THIS MIAMI-DADE COUNTY PERMITTING, ENVIRONMENT & REGULATORY AFFAIRS, PRODUCT CONTROL SECTION NOTICE OF ACCEPTANCE. DRILL 1/2"  $\phi$  HOLES MIN. 1" DEEP INTO THE SUBSTRATE USING ANSI B94.12-1977 CARBIDE-TIPPED MASONRY DRILL BIT. A PILOT HOLE OF 1/4"  $\phi$  FOR THE 1/4" SCREW IS DRILLED MIN. 1/4" LONGER THAN THE 1/2"  $\phi$  HOLE.
2. CLEAN HOLES OF DEBRIS AND DUST BEFORE INSTALLATION OF ANCHOR.
3. USING THE RAPID SET TOOL, PLACE THE ANCHOR IN THE BACK OF THE HOLE AND SET THE ANCHOR BY SCREWING THE ZAMAC ALLOY CONE UNTIL THE ZAMAC INSERT IS PULLED TO THE POINT THAT IS FLUSH WITH OR EXTENDS BEYOND THE TOP OF THE LEAD SHIELD, SEE DETAIL 4.
4. ANCHORS SHALL NOT BE INSTALLED BEFORE THE CONCRETE HAS DEVELOPED ITS DESIGN STRENGTH.
5. ANCHORS SHALL NOT BE INSTALLED IN CRACKED CONCRETE AS DEFINED IN ACI 318-05 AND ACI 355.2. ANCHORS MAY BE INSTALLED IN CONCRETE SLABS ON GRADE AND HOLLOW CONCRETE BLOCK (CMU) WALLS.

### TABLE NOTES:

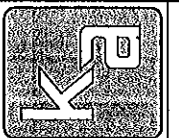
1. SOLID-SET ANCHORS SHALL BE USED WITH 1/4-20 18-8 STAINLESS STEEL MACHINE SCREWS. MACHINE SCREWS REQUIRE A MINIMUM 1/2" ENGAGEMENT OF THREADS.
2. CONCRETE SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE MANUAL OF CONCRETE PRACTICE ACI 301 WITH NORMAL WEIGHT AND A MINIMUM COMPRESSIVE STRENGTH ( $f'_c$ ) OF 3000 PSI AT 28 DAYS.
3. HOLLOW CONCRETE MASONRY UNIT (CMU) SHALL CONFORM TO ASTM C-90 GRADE N, TYPE 1, WITH A MINIMUM COMPRESSIVE STRENGTH ( $f'_m$ ) OF 1800 PSI.
4. ALLOWABLE LOADS ARE BASED ON THE AVERAGE ULTIMATE LOADS FOR TENSION AND SHEAR, FROM TESTING, DIVIDED BY 4.0 FOR ANCHORS USED IN CONCRETE AND DIVIDED BY 5.0 FOR ANCHORS USED IN HOLLOW CONCRETE MASONRY UNIT (CMU).
5. ANCHOR SPACING SHALL BE 3" MIN FOR 100% TENSION AND SHEAR CAPACITY.

## ALL POINTS SOLID-SET ANCHORS

ALLOWABLE LOADS (LBS.)													
CONCRETE ( $f'_c = 3000$ PSI MIN.)							CMU ( $f'_m = 1800$ PSI MIN.)						
MIN.	EDGE DISTANCE						MIN.	EDGE DISTANCE					
	1-1/4"	2"	3"	1-1/4"	2"	3"		1-1/4"	2"	3"	1-1/4"	2"	3"
EMBED.	TENSION	SHEAR	TENSION	SHEAR	TENSION	SHEAR	EMBED.	TENSION	SHEAR	TENSION	SHEAR	TENSION	SHEAR
7/8"	328	187	428	429	544	565	7/8"	166	122	286	199.5	316	317.5



PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 11-0816.06  
Expiration Date 12/21/2016  
By *[Signature]*  
Miami/Dade Product Control



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SOLID-SET ANCHORS

**ALL POINTS**  
ANCHOR, BOLT & SPECIALTY CO.  
1590 NW 27th Ave., Suite 9 - Pompano Beach, FL 33069  
Phone: (800) 226-5555 - Fax: (800) 582-6110

revisions

no	date	description
1	11/04/2006	MANUFACTURES MANUAL
2	08/03/2011	REUSE FOR EDITION
3	10/30/2016	CHANGE ON 10.30.16

V.J. Knezevich  
Professional Engineer  
FL License No. PE 1010983

08/07/2011  
drawn by *[Signature]*  
date 10/30/2006

scale AS NOTED

drawing no.

**05-502**

sheet 1 of 1